

Claim 28. (New) A method according to claim 27 further comprising:  
the wireless terminal downloading the local application program while in  
the on-line mode.

AI  
Gmt

Claim 29. (New) A method according to claim 27 further comprising:  
after the local application program modifies particular data in the virtual  
memory while in the off-line mode, outputting a message to the server containing  
updates for at least some of the particular data.

Claim 30. (New) A server method comprising:

- (a) providing an application program running on the server;
- (b) the application program treating as local virtual memory a memory  
located on a wireless terminal while a connection between the server and the wireless  
terminal is established, with read and write access to the memory;
- (c) while said connection is established and without wireless terminal  
user intervention, sending to the wireless terminal a local application program which  
when run by the wireless terminal allows the wireless terminal read and write access to  
data in the memory related to the application program while in an off-line mode.

Claim 31. (New) A method according to claim 30 further comprising:  
maintaining a mirror version of the local virtual memory;

after the local application program modifies particular data in the virtual memory while in the off-line mode, receiving a message containing updates for at least some of the particular data and updating the mirror version accordingly.

AI  
Conf

Claim 32. (New) A wireless terminal comprising:

(a) a memory which in an on-line mode is adapted to be treated as local virtual memory by an application program running on a server to read and write data in the virtual memory related to the application program; and

(b) a local application program on the wireless terminal which in an off-line mode has read and write access to the data in the memory.

Claim 33. (New) A wireless terminal according to claim 32 wherein the wireless terminal is adapted to download the local application program while in the on-line mode.

Claim 34. (New) A wireless terminal according to claim 32 further adapted to, after the local application program modifies particular data in the virtual memory while in the off-line mode, output a message to the server containing updates for at least some of the particular data.

Claim 35. (New) A wireless terminal according to claim 34 comprising:  
a plurality of keys having dynamically redefinable functions;

wherein the local application program specifies softkey labels identifying a respective function defined by the application program for at least one of the keys, the local application program also comprising the functions defined for the at least one of the keys.

AI  
Cmt

Claim 36. (New) A wireless terminal according to claim 35 wherein said local functions comprise at least one function which can operate completely independently of any connection with the server, and at least one function which when executed automatically instigates the establishment of a new connection to the server if one is not already in existence.

Claim 37. (New) A server comprising:

- (a) application program means running on the server;
- (b) means for allocating a portion of memory on a wireless terminal to be treated as local virtual memory by the application program while a connection between the server and the wireless terminal is established, with read and write access to the memory;
- (c) means for sending, while said connection is established, to the wireless terminal a local application program which when run by the wireless terminal allows the wireless terminal read and write access to data in the memory related to the application program while in an off-line mode.